



Scrolling

REMOTE CONTROL LED SIGN BOARD *USER MANUAL*



/ Effect Table
/ Button Functions
/ Input Contents Table
/ Trouble Shooting Guide

Rev. 001-345-15

Table of Contents

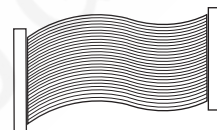
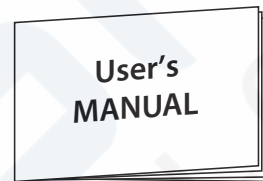
2

Components List	02
Installation Methods	03
Remote Control Button Function	04
Menu and Sub-Menu Options	05
Effects Table	06
How to Insert Contents	07-10
Insert 2 line Contents	07
Insert Pre-loaded pictures / Images / Video	
08 Display Date / Time	
09 Add Countdown Days / Time	10
How to Manage saved Message	11
Other Functions	02-14
Glossary Terms	15
Troubleshooting Guide	16-17
FAQs	18
Warranty	19

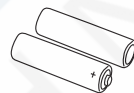
Check for all components



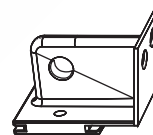
Remote
Controller



Ribbon Cable
(for 2 sided signs only)
*4~6ft(varies)



AAA Batteries x 2



x 2



x 4

Screw & Brackets

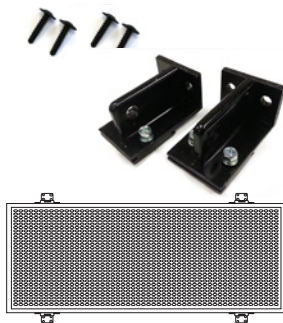


ATTENTION



**TEST THE SIGN
BEFORE INSTALLING**





Type1 - Wall Mount

Slide the mounting brackets into the allotted slot on the frame of the sign. You may slide the brackets on the top, bottom or sides of the frame. The screws that are included with the brackets are screws that are approved to be drilled into the frame without damaging any components. You may drill the screws on either side of the brackets to hold them in place.



Type2 - Wire Hanging (Optional)

Slide the brackets in the allotted slot on top of the sign. Screw the brackets into the desired area on the frame. Use a chain to hook into the existing holes on the brackets. (Two options shown on the left). If you are planning to hang your sign in a window, Please **make sure the sign is at least 1 inch from the window**. Any other type of installation may require different mounting methods that are not provided by the manufacturer. Please make sure to only use the screws that are provided to screw into the frame of the sign.

How to use?

Wall mount



How to use?

Wire Hanging





- 1) **[Power]**
- 2) **[Menu]**
- 3) **[Color]** button to change the color of each character.
- 4) **[Attribute]** button to add an individual effect to each character.
- 5) **[Width]** button to change the width of each character.
- 6) **[Font]** button to change the font of each character.
- 7) **Number / Letter entry Buttons**
- 8) **[KOR]** button to input entry into Korean characters
- 9) **[ENG]** button to input entry into Capital letters
- 10) **[eng]** button to input entry into lower case letters
- 11) **[NUM]** button to input entry into numbers instead of letters
- 12) **[Delete]** button to delete character
- 13) **[Space]** button to input a Space
- 14) **[◀ Speed]** button to slow down the speed of the Effect
- 15) **[▶ Speed]** button to speed up the speed of the Effect
- 16) **[▲ Effect]** button to change the style of the Effect
- 17) **[▼ Effect]** button to change the style of the Effect
- 18) **[OK]** button to confirm a selection
- 19) **[Copy]** button to copy a character or effect
- 20) **[Esc]** Press once to cancel current selection. Press again to go back to previous selection
- 21) **[Light]** button not supported at this time
- 22) **[Neon]** button to add Neon effects.
Press the UP & Down buttons to scroll through the available effect options.
Press the [Neon] button again to toggle the effect on or off
- 23) **[Fix]** button to stretch or shrink the lettering size to fit into full screen at one time.
- 24) **[Demo]** button to show Demo display contents and Testing Led Sign Board
- 25) **[Special]** button to insert a Special character. Use the Arrow buttons to select.
- 26) **[Move]** button to insert a flashing picture or letter. Use the arrow buttons to select.
- 27) **[Icon]** button to insert an Icon character. Use the Arrow buttons to select.
- 28) **[Symbol]** button to insert Symbol characters: !"#%&'()*+,-./:;<=>?[_`{|} etc...
- 29 - 37) **[Spanish], [Japanese], [Russian], [Hungarian], [Arabic], [Vietnamese]** buttons to insert a character in that respective language for the button used.
Use the arrow buttons to select.

* **[F3]** button to input special Headline messages. Use Arrow buttons to select.

* **[F1], [F2], [F4], [F5], [Language]** buttons are not supported at this time.

Menu and Sub-Menu Options

5

1: Add Contents – Create New message content

- | | | | |
|----------------------|------------------|------------------|----------------------|
| [1] Add Message | [4] Add Picture | [7] Display Time | [10] Add Temperature |
| [2] Add Dual Message | [5] Add Video | [8] Add D-day | [11] Add Humidity |
| [3] Add Image | [6] Display Date | [9] Add D-time | [12] Add Event |

2: Modify Contents – Select an existing message to modify

- [1] Select Content

3: Insert Contents – Insert new content before an existing message

- | | | | |
|----------------------------|-----------------------|---------------------|----------------------|
| [1] Sentence Insertion | [3] Image Insertion | [6] Display Date | [9] D-time Insertion |
| [2] Dual Message Insertion | [4] Picture Insertion | [7] Display Time | [10] Temperature |
| | [5] Video Insertion | [8] D-day Insertion | [11] Humidity |

4: Index Contents – Enable & Disable existing content to be shown

- [1] Select Content

5: Delete Contents – Delete existing message content

- [1] Delete Option [2] Delete All

6: Stop Watch – Enable stop watch feature

- [1] Increment Mode [2] Decrement Mode

7: Password – Prevents unauthorized changes to the sign

- [1] Enter Password

8: Set Time – Set current Time/Date and Timer On/Off

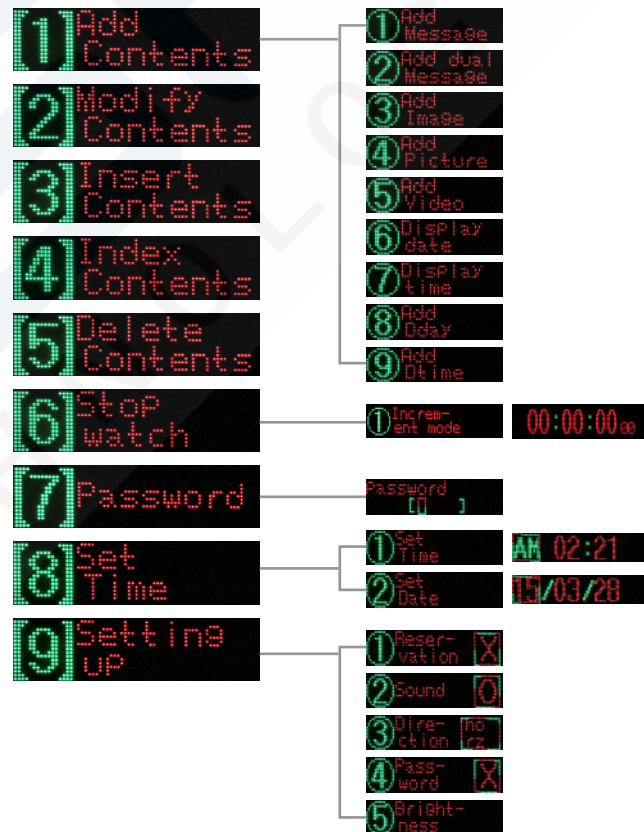
- [1] Set Time [2] Set Date [3] Set Timer ON [4] Set Timer OFF

9: Setting up – Additional display settings

- [1] Reservation [2] Sound [3] Direction [4] Password [4] Brightness

10: CDMA / 11: TPEG News – Not supported

12: Manager – Not for customer's use



Effects Table

After you input your message, the sign will ask you for three effects you would like to use for how the message will enter the display, how it will stay on the display and how it will leave the display. **NOTE:** When you choose an effect, the sign will display what it looks like before you press okay. If you would like to speed up or slow down the effect, press the arrow buttons that say speed. If you would like to see more effects, when the sign previews it hit the up or down arrow button that says effect to change the effect.

6

1

Insertion Effects - Normal

Effect used on your text at the beginning of the display. (When your message will fit within the width of your sign and is visible at one time)

- 1) Automatic – Random Effects (default)
- 2) Drama – Curtain Effects in multiple forms
- 3) Scroll – Scroll up/down/left/right
- 4) Gathering – Merge lines left/right, up/down, and diagonal
- 5) Hurricane – Rotation Effect from different directions
- 6) Tornado – Twisting Effect from different directions
- 7) Lens – Expands and contracts letters in multiple directions
- 8) To Appear – Displays different letters in multiple forms
- 9) By Color – Combines and separates colors individually
or in groups
- 10) Beam – Laser Beam Effects from multiple directions
- 11) Wave – Wave Effect from multiple directions
- 12) No Effect – No Effect given

• **For all effect types, once an effect is chosen :**

- a) Press the Left or Right arrows to increase or decrease effect speed
- b) Press the Up or Down arrows to select between available effects direction

2

Preservation Effects

Effect used on your text while it is holding on the display.

- 1) Drama – Curtain Effects
- 2) Reverse – Inverse Color Effect
- 3) To Shake – Letters/Characters Shake Effect
- 4) Hurricane – Rotation Effect from different directions
- 5) Tornado – Twisting Effects from different directions
- 6) Lens – Expands and Contracts letters in multiple directions
- 7) Pause – No Effect given

3

Release Effects

Effect used on your text while it is leaving the display.

- 1) Drama – Curtain Effects in multiple forms
- 2) Scroll – Scroll up/down/left/right
- 3) Hurricane – Rotation Effect from different directions
- 4) Tornado – Twisting Effect from different directions
- 5) Dividing - Divides words from different directions
- 6) Lens – Expands and contracts letters in multiple directions
- 7) Erasing - Erases content from different directions
- 8) By Color – Combines and separates colors individually
or in group
- 9) No Effect - No Effect given

You do not want any effect on your message? Choose the following :

- | | |
|----------------|--|
| 1. No Effect | 1) Insertion Effect - #12 No Effect |
| | 2) Preservation Effect - #7 Pause (Choose Hold Time) |
| | 3) Release Effect - #9 No Effect |
| 2. Just scroll | 1) Insertion Effect - #2 3D Effect |

When you choose the 3D Effect, hit the up arrow twice and you will be able to see your message scrolling (This is just a preview, not saved) Once you see it scrolling, you may hit the left arrow button as many times as you like. Once you find the desired speed press [OK] and the message will store. No other effect is needed.

How to Insert Contents

7

1) How to input message

- Hit the [MENU] button on the top of the remote
- You will see (1) Add Contents and press [OK]
- Now you will see (1) Add Message and press [OK]
- A blinking green line will appear on the sign, start to type your message in. There will be a blinking green box around your letter, the blinking box means that is the character you are currently editing. To move on to the next character, just type in the next letter. If there are letters you want to use that are on the same button, input the first character then hit the right arrow button to the next space and use the same button again.

[NOTE:] After you input your first character, you can hit one of the functions below and the first character will change. The rest of the characters will follow the effect of the first character unless you choose another effect:

[FONT] button to change the style of font

[COLOR] button to change the colors

[ATTRIBUTE] button to change the effects of the letters

[WIDTH] button to choose how wide each letter will be

[Move] and [ICON] buttons to choose smaller images to put into your message

[NUM] button to change letters to numbers [ENG] button to change numbers to letters [SYMBOL]

button to add symbols

- After you input your message press [OK] on the remote
- Now it will ask you for the INSERTION EFFECT and you can scroll through
- the 12 options on how you would like your message to enter on the sign.
- Select your INSERTION EFFECT (Effect used on the beginning of the message) and press [OK]
- Now it will ask you to choose a PRESERVATION EFFECT (Effect while your message is being displayed)
- Choose one of the seven effects and press [OK]
- Finally, it will ask you for the RELEASE EFFECT (Effect used as your message is leaving the display.
- Choose one of the nine effects and press [OK]
- The sign will now say MESSAGE STORED and you are done!

PRESS
MENU



Use [KEYPAD] to Enter
Your Message



Use [FONT][COLOR]
[ATTRIBUTE] and [WIDTH]
to Customize Your Message

OK

Choose your 3 Effects and
Press [OK]. You're Done!



If you make a mistake you can hit the [ESC]
button to go back a step.

[ESC] Will take you to the previous step
[OK] Will take you to the next step

Copy & Paste Function

Tip - You can easily copy to copy the color,
attributes, width, font, simply

1. Move the cursor to select the character
2. Select [Copy]
3. Scroll left or right and select [Copy] again
to paste the color, attributes, width and fonts

2) How to input a 2 line message

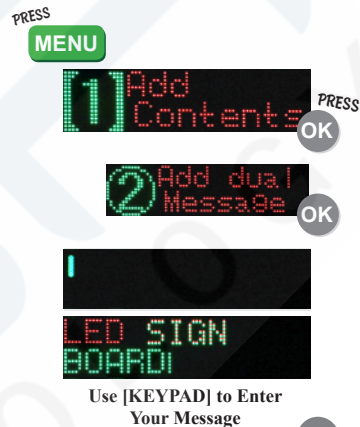
- Hit the [MENU] button on the top of the remote
- You will see (1) Add Contents and press [OK]
- Now you will see (1) Add Message hit the down button to (2) Add Dual Message and press [OK]
- A blinking green line will appear on the sign, start to type your message in for the top line.

[NOTE:] After you input your first character, you can hit: [COLOR] button to change the colors
[ATTRIBUTE] button to change the effects of the letters
[NUM] button to change letters to numbers
[ENG] button to change numbers to letters
[SYMBOL] button to add a symbol

- After you input your top message press the down button on the remote to start the second line message.
The blinking line will now be on the second line. (The message will center itself automatically when you are done.)
When you are finished with the message press [OK]
- Now it will ask you for the INSERTION EFFECT and you can scroll through the 12 options on how you would like your message to enter.
- Select your INSERTION EFFECT (Effect used on the beginning of the message) and press [OK]
- Now it will ask you to choose a PRESERVATION EFFECT (Effect while your message is being displayed)
Choose one of the seven effects and press [OK]
- Finally, it will ask you for the RELEASE EFFECT (Effect used as your message is leaving the display)
Choose one of the nine effects and press [OK]
- The sign will now say MESSAGE STORED and you are done!

3) How to insert preloaded pictures, Images or video

- Hit the [MENU] button on the top of the remote
 - You will now see (1) Add Content
 - Hit the down arrow button until you see (3) Add Image.
 - You may choose to use a picture for categories (3) Add Image, (4) Add Picture and (5) Add Video.
- Each category has many images that you may scroll through. When you find the image you want press [OK] and the image will be stored. [NOTE:] Remember there are hundreds of more images in the [MOVE] and [ICON] button.
- To use these images, create a new message in step 1 and hit either button to view the images. Scroll through them and press [OK]



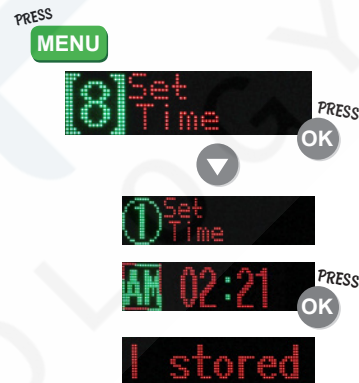
Use [KEYPAD] to Enter
Your Message

Use [FONT][COLOR]
[ATTRIBUTE] and [WIDTH]
to Customize Your Message



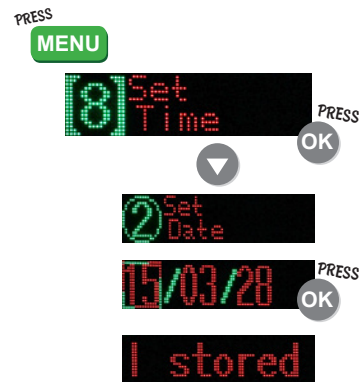
5) How to Display Time

- Hit the [MENU] button on the top of the remote
- You will now see (1) Add Content
- Hit the down arrow button until you see (8) Set Time and press [OK]
- You will now see (1) Set Time and press [OK]
- You will now see A 12:00, with the blinking green box around the A. The A means am, to change A (am) to P (pm) hit the down arrow button. To change the hours, hit the right arrow button to the 12 and the blinking green box will be around the 12 and hit either up or down to change the number. To change the minutes, hit the right arrow key so the green box is around the 00 and hit either the up or down button to change the minutes.
- When you are done press [OK] and it the sign will say "Present Time Stored"
- Now that the sign has the current time, we will want to make it display with our other messages.
After it is stored it will bring you back to (1) Set Time
- Once you see (1) Set Time, press the [ESC] button and it will bring you back to (8) Set Time
- When you see (8) Set Time, hit the up arrow button to (1) Add Contents and press [OK]
- Now you will see (1) Add Message, hit the down arrow button until you see (6) Display Date and press [OK]. It will now display the time and if it is correct then press [OK]
- Finally it will ask you for your insertion effect, preservation effect and release effect



4) How to Display Date

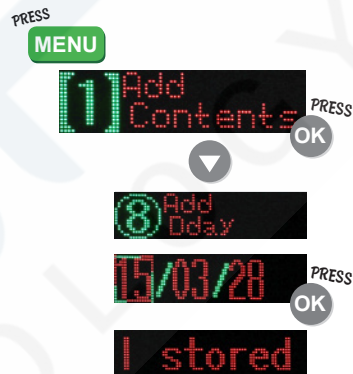
- Hit the [MENU] button on the top of the remote
- You will now see (1) Add Contents
- Hit the down arrow button until you see (8) Set Time and press [OK]
- You will now see (1) Set Time, hit the down arrow button to (2) Set Date and press [OK]
- Input the current date, Input the date as YY-MM-DD
(Example: If you want the date to read MARCH 28, 2015 you would input it as 15-03-28)
- When you are done press [OK] and it the sign will say "Present Date Stored"
- Now that the sign has the current date, we will want to make it display with our other messages.
After it is stored it will bring you back to (2) Set Date
- Once you see (2) Set Date, press the [ESC] button and it will bring you back to (8) Set Time
- When you see (8) Set Time, hit the up arrow button to (1) Add Contents and press [OK]
- Now you will see (1) Add Message, hit the down arrow button until you see (6) Display Date and press [OK].
It will now display the date and if it is correct then press [OK]
- Finally it will ask you for your insertion effect, preservation effect and release effect.



6) How to add Countdown Days

- Hit the [MENU] button on the top of the remote
- You will see (1) Add Contents and press [OK]
- You will now see (1) Add Message, hit the down arrow button to (8) Add D-Day and press [OK]
- Select the date, Year/ Month/Day and hit [OK]
- Then it will ask you to input a sentence, this is what you want the sign to display with the countdown, for example, if you put "New Years Day" then the sign will display, "New Years Day D-100." D-100 represents the days remaining in the countdown.
- When you are done, press [OK] and it will store.

* Whatever you input will appear before the words : "D-100" For Example if you input : "New Years Day" then your sign will display "New Years Day D-100", D-100 represents the days remaining in the countdown and will change as each day approaches closer to the Dday.



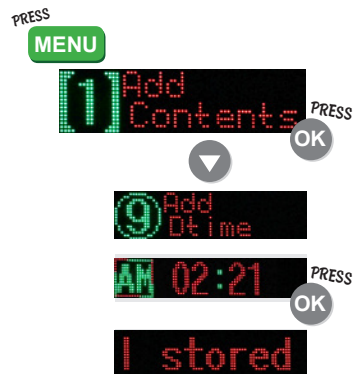
7) How to add Countdown Time

- Press [MENU]
- Select option (1) Add Content
- Press [OK] button
- Use down arrow button to scroll down until you find option (9) Add D-Time
- Press [OK] button
- Select time for countdown deadline (the current time must already be set for this to work properly)
- Press [OK] button
- Input reason for countdown.

* Whatever you input will appear before the words : "It is before __ hours and __ minutes"

For Example if you input : "Special Sale" then your sign will display "Special Sale It is before __ hours and __ minutes"

- Press [OK] button
- You are done

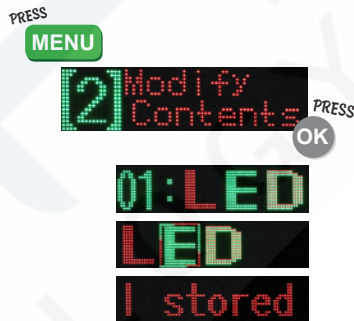


How to Manage saved Messages?

11

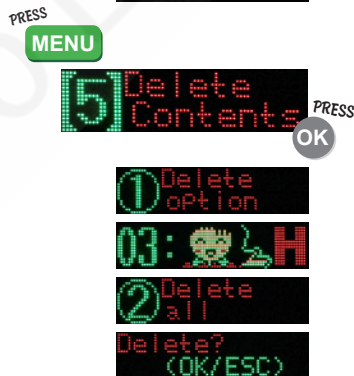
8) How to Modify your Messages

- Hit the [MENU] button on the top of the remote
- You will see (1) Add Contents, hit the down arrow button to (2) Modify Contents and hit [OK]
- You will now see, "01: Your 1st Message" and if you hit the down arrow you will see your other messages.
Find message you want to edit and press [OK] on that message.
- The blinking box will be around the first character. Edit your message and when you are finished, press [OK]
- It will then ask you to choose your Insertion Effect, Preservation Effect and Release Effect.
- Once you choose the effects, press [OK] and you are finished.



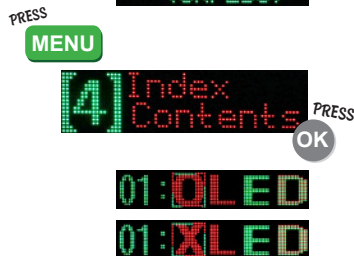
9) How to Delete Contents

- Hit the [MENU] button on the top of the remote
- You will see (1) Add Contents, hit the down arrow button to (5) Delete Contents and hit [OK]
- You will now see (1) Delete Option, click [OK] if you want to delete a certain message.
- It will now show you all your messages, find the message you want to delete and press [OK]. It will say "Delete? (OK/ESC) if you want to delete the message press [OK] to cancel press [ESC]
- To delete all content, when you see (1) Delete Option, hit the down arrow button to (2) Delete All and press [OK]
- It will say "Delete? (OK/ESC) if you are sure you want to delete all contents
- press [OK], to cancel press [ESC]



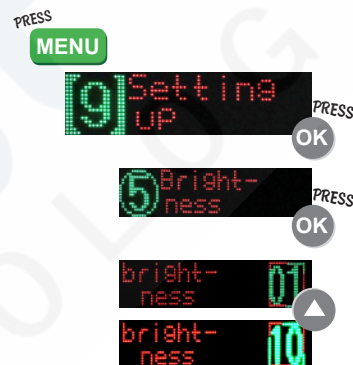
10) How to selectirely display saved messages?

- Press [MENU] use down arrow button scroll down to (4) index contents or show index
- Press [OK] button
- Scroll UP/DOWN and press [OK] to set the message to "O" or "X"
- "O" will display the message, and "X" will not display the message.
- You are done



11) How to adjust brightness

- Press [MENU] use down arrow button to scroll down until you reach option (9) Setting up
- You will now see, (1) Reservation, hit the down arrow button to (5) Brightness and press [OK]
- It will now ask you to input a brightness level for the daytime (Levels 1-10) and press [OK] when you are finished. (Level 10 is the brightest and Level 1 is the Dimmest)
- Now it will ask you to input a brightness level for the nighttime (Levels 1-10) and press [OK] when you are finished.
- Now it will ask you what time do you want the brightness to change for the nighttime level, it will show A 12:00 with A meaning am. The blinking box should be around the A. To change the A (am) to a P (pm) hit the down arrow button.
- Next, hit the right arrow button to choose the hour and the blinking box should be around the hours, to change the hour hit the up or down button.
- When you are finished with the hours, hit the right arrow again to change the minutes, the blinking box should be around the minutes, hit the up or down arrow to change the minutes.
- When you are done, press [OK]
- Now it will ask you to choose a time for the brightness to change for the daytime. Choose the time the same way you did for the nighttime and press [OK].



12) How to change Horizontal / Vertical Orientation

- Press [MENU] use down arrow button to scroll down until you reach option (9) Setting up
- Press [OK] button
- Use down arrow button to scroll down until you find option (3) Direction
- *Warning :** If you press [OK] button at this point it will change direction from "Horz"= Horizontal, to "Vert" = Vertical. Then all the words of the menu will be switched to vertical orientation. Once it is in vertical navigating the menu will need to be done using the left and right arrows instead of the up and down arrows. To switch back to horizontal orientation repeat these steps.
- *Warning#2 :** Changing orientation will permanently delete all content from memory
- Once desired direction is set on the display then press [ESC] or [Menu] button
- You are done



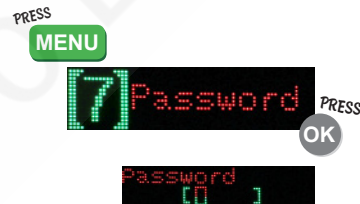
13) How to Turn off Beeping noise

- Hit the [MENU] button on the top of the remote
- You will see (1) Add Contents, hit the down arrow button to (9) Setting Up and hit [OK]
- You will see (1) Reservation, hit the down arrow button to (2) Sound
- (2) Sound will have an "O" next to it, meaning that the sound is on, to turn it off hit [OK] and the "O" will turn to an "X"
- If you are done, hit the [ESC] button and then the [MENU] button to return.



14) How to set Password

- Hit the [MENU] button on the top of the remote
- You will see (1) Add Contents, hit the down arrow button to (7) Password and hit [OK]
- Input a 4 digit password and then confirm it by entering it again
- When you are done choosing your password, do not hit the [OK] button, hit [ESC] to go back. Hit [Menu] to return to content.



15) How to Turn password On/Off

- Hit the [MENU] button on the top of the remote
- You will see (1) Add Contents, hit the down arrow button to (9) Setting Up and hit [OK]
- You will see (1) Reservation, hit the down arrow button to (4) Password
- You will now see (4) Password X, with the blinking box around the "X"
- The X means that the password is off, to change it and turn it on, hit the [OK] button.
- The "X" will now turn to an "O" which means the password is on.
- When you are finished do not press [OK], hit the [ESC] button to go back and the [MENU] button to return to your contents.



18) How to set sign to turn on Automatically

- Hit the [MENU] button on the top of the remote
- You will see (1) Add Contents, hit the down arrow button to (8) Set Time and hit [OK]
- You will now see (1) Set Time hit the down arrow button until you see (3) Set Timer On and press [OK] The blinking box should be around the letter "A" for am. To change to pm, hit the down button.
- Next hit the right arrow button to the hours and the blinking box should be around the 12. To change the hours, hit the up or down arrow button. Then hit the right arrow button again to change the minutes and the blinking box should be around the 00. Hit the up or down arrow buttons to change the minutes.
- When you are done press [OK]



19) How to set sign to turn off Automatically

- Hit the [MENU] button on the top of the remote
- You will see (1) Add Contents, hit the down arrow button to (8) Set Time and hit [OK]
- You will now see (1) Set Time hit the down arrow button until you see (4) Set Timer Off and press [OK] The blinking box should be around the letter "A" for am. To change to pm, hit the down button.
- Next hit the right arrow button to the hours and the blinking box should be around the 12. To change the hours, hit the up or down arrow button. Then hit the right arrow button again to change the minutes and the blinking box should be around the 00. Hit the up or down arrow buttons to change the minutes.
- When you are done press [OK]



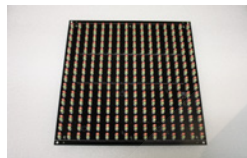
20) How to Enable / Disable the Timer function

- Hit the [MENU] button on the top of the remote
- You will see (1) Add Contents, hit the down arrow button to (9) Setting Up and hit [OK]
- You will now see (1) Reservation with an "X" or an "O" next to it
- "X" Means OFF and "O" Means ON. To change it, hit the [OK] button.
- When you are finished, hit the [ESC] button and the [MENU] button to return to the contents.

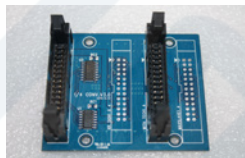




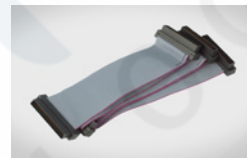
1) Main Controller



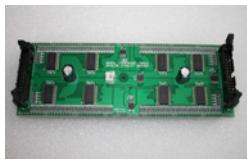
2) LED Module



3) Buffer Board



4) Ribbon Cable



5) Driver Board



6) Power Supply



7) Receiving Sensor



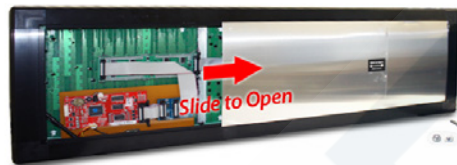
8) Temperature Sensor (Optional)

- 1) **Main Controller** : The red or blue color printed circuit board which is the main controlling component.
- 2) **LED Module** : The large square tile printed circuit board that has all the LED lamps embedded on it.
- 3) **Buffer Board** : The small blue printed circuit board that is a midway point that transitions the ribbon cable flow from the main controller to the first driver board.
- 4) **Ribbon Cable** : The flat cables that send data from the main controller, to the buffer board, to the driver boards.
- 5) **Driver Board** : The small rectangular printed circuit board that is embedded on the back of each LED Module.
The ribbon cables are plugged into this unit and go from one unit to the next.
- 6) **Power Supply** : The silver box that the 110v power cable is attached to. This unit supplies all power to the components in the sign.
- 7) **Receiving Sensor** : The sensor on the front of the sign that detects the infrared signal from the remote.
- 8) **Temperature Sensor (Optional)**

1. When the LED sign does not power on *Check this first!*

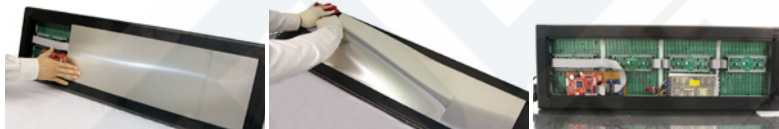
- ✓ **Power Plug-in check**
- ✓ **Replace Remote Battery**
- ✓ **Make sure the sensor on the sign is facing you**

*Still not work?
Follow this step!*



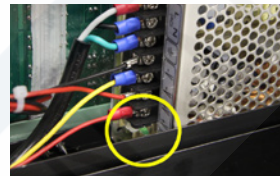
How to open the aluminum back cover?

- 1) Unscrew the center screw.
- 2) Slide either side of the back cover to one side.
- 3) You may need to remove the back cover completely to see all the components.

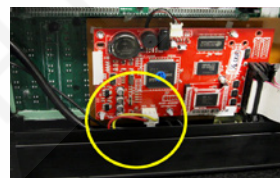


1) Unplug the LED sign from electrical outlet, leave the LED sign unplugged for at least 10 seconds, plug the LED sign back into the electrical outlet. If the sign still does not power on continue trouble shooting.

2) Slide open the back cover before proceeding to next troubleshooting steps



3) Check the internal power supply to see if the green power indicator light is on.



4) Check the power wire plugs on the driver boards and main controller to see if they are fully seated and securely plugged in.



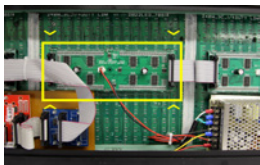
5) Check the ribbon cables coming off the main controller and the buffer board to see if they are fully seated and securely plugged in. Try removing and reseating the ribbon cables several times to get good contact on all pins and create a complete connection.



Power Plug is plugged in the outlet.

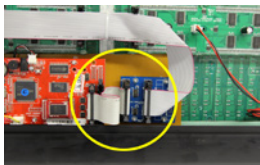
Notes : Power must be unplugged before performing any trouble shooting or checking parts and as a precaution wear gloves when handling any parts.

2. When part of the sign is not showing properly



1) Slide open the back cover

2) Check the driver board that is embedded on the back of the LED Module that is not showing properly. Check to see if it is not fully seated, during shipping these can become dislodged and may need to be Pressed back in completely.



3) Check all ribbon cable connections on the main controller, buffer board, and driver boards. Check to see if any of them are not fully seated, during shipping these can become dislodged and may need to be pressed back in completely. If this does not help, try removing and reseating the ribbon cables several times to get good contact on all pins and create a complete connection.



4. When the Remote control does not response

Please replace the battery on the remote controller, and if the problem persist, follow the steps:

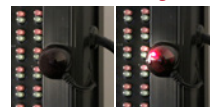
1. Check the IR receiver on the sign and check for red light.
2. If you see the red light on the IR receiver, point the remote to the IR receiver, then press the **[POWER]** button.
3. If the sign is still not responding, please contact your dealer for additional support.

3. If your Sign is Displaying in Another Language

If your messages look like they are displaying in another language they are probably displaying vertical letters. In order to change the language in the sign, you would have to have gone into "Manager", enter a password and then change the language. If you did not follow those steps and your sign still looks like it is displaying in another language, change the orientation of the sign from Vertical to Horizontal and it should display correctly.



<Check for Red light>



** If you need further assistance please contact your dealer.*

Q. My sign is turned off and is not turning on. How do I fix this?

A. The sign maybe in manual schedule mode. Follow these steps to disable the schedule mode.

1. Unplug the LED sign from electrical outlet, then plug it back in.
There will be 1 LED flashing in the middle of the sign.
2. Press the power button on the remote to turn on the sign.
3. Once the sign is ON, press **[MENU]**, go to **[9] Setting up** and set the **[1] Reservation** to "X".
4. This will disable the schedule mode.

Q. I have double-sided sign. The Master side is working fine, but the Slave side is not displaying the message correctly.

A. The cable connection between the signs may be loose.

1. Locate the ribbon cable that is connecting one sign to the other.
2. Firmly press in the cable plug on both of the signs.
3. Secure the cable plug with the screws provided.

Q. A few of the LED pixels are dead. What can I do?

A. Typically, LED signs have over 2,000 LED's. A Few dead LED's will not prevent the message from displaying correctly. Please refer to the Warranty Policy regarding dead pixel warranty information.

Q. How do I change the speed of the effect?

A. While inputting the transition effect (Insertion, Preservation, or Release) of your choice, your sign will preview the message. While your sign previews your message's effect, press the left arrow button to slow the message down, or the right arrow button to speed it up.

B. When modifying a previously stored message, repeat the previous step when applying the effects during the modify process.

Q. How can I make the message fit in one screen?

A. After inserting the text, press **[FIX]** button to stretch the message to fill the screen. (Trying to fit too many extra letters may reduce its' legibility)

Q. How do I schedule a time for my sign to automatically turn ON/OFF?

A. Please refer to page 15 "How to set sign to turn ON/OFF automatically.

Q. Can I selectively display saved messages?

A. Yes. You can manually select the message you wish to play on sign.

1. Press Menu, scroll down to **[4] Index Contents or Show Index**, then press **[OK]**.
2. Scroll UP/Down and press **[OK]** to set the message to "O" or "X".
3. "O" will display the message, and "X" will not display the message.

Q. Can I input or upload my own custom images?

A. No. Only factory preloaded images are available.

Q. I forgot my password. "How do I reset my password?"

A. You can change the password following these steps:

1. Power off your sign. There will be 1 LED flashing in the middle of the sign.
2. Hold down the "color" button until all the red LEDs turn ON.
3. Press the **[ESC]** button, then **[7] examination** will show on the screen.
4. Press the **[ESC]** button again, then **[12] Manager** will show on the screen.
5. Press Up button to option **[7] Password**, then select **[OK]**.
6. Insert your new password twice.

Q. Can the signs display messages vertically?

A. Yes. Refer to page 13 "How to change Horizontal/Vertical Orientation"

Q. Does this sign have automatic scheduling option? i.e. display "Open" from 8AM - 5PM, and display closed from 5PM - 8AM.

A. The sign does not have this auto scheduling capability. However, you can change them manually by creating two separate messages. Refer to page

Manufacturer Warranty



Manufacturer warrants your new LED Sign to be free from defects in factory materials and workmanship. Products believed to be a manufacturing defect will be repaired or replaced upon investigation of the issue. Each new LED sign includes (3)Year Limited Warranty.

◆ Manufacture's 1 Year Full Warranty covers ◆

- All manufactured electronic products
 - All LED board assemblies *
 - All power supplies
- All embedded electronic controls **
- All wires, plugs, and ribbon cables.

Exceptions:

* 2% or less of dead LED lamps is considered acceptable and is not covered under warranty.

** All wireless devices and peripheral components associated with wireless devices are covered for only 1 year .
- Shipping both ways not covered under any warranty.

◆ 2 year Extended Limited Warranty ◆

- Covers factory labor only
- Shipping both ways not covered under any warranty.

◆ Warranty and Limitation of Liability ◆

This warranty shall not apply to any product for improper installation, unauthorized modification, vandalism, destruction, loss, theft, negligence, damage or misuse of product. Nor does this warranty cover any malfunction or damage due to natural disasters or extraordinary weather conditions, such as, but not limited to: hurricane, typhoon, tsunami, earthquake or severe weather.

* Manufacturer reserves all the rights to modify or change this warranty without notice at anytime.

MANUFACTURER MAKES NO OTHER WARRANTIES WITH RESPECT TO THE PRODUCTS OR ANY SERVICES AND DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY, NONINFRINGEMENT AND FITNESS FOR A PARTICULAR PURPOSE, OR ARISING FROM A COURSE OF DEALING, USAGE OR TRADE PRACTICE.